

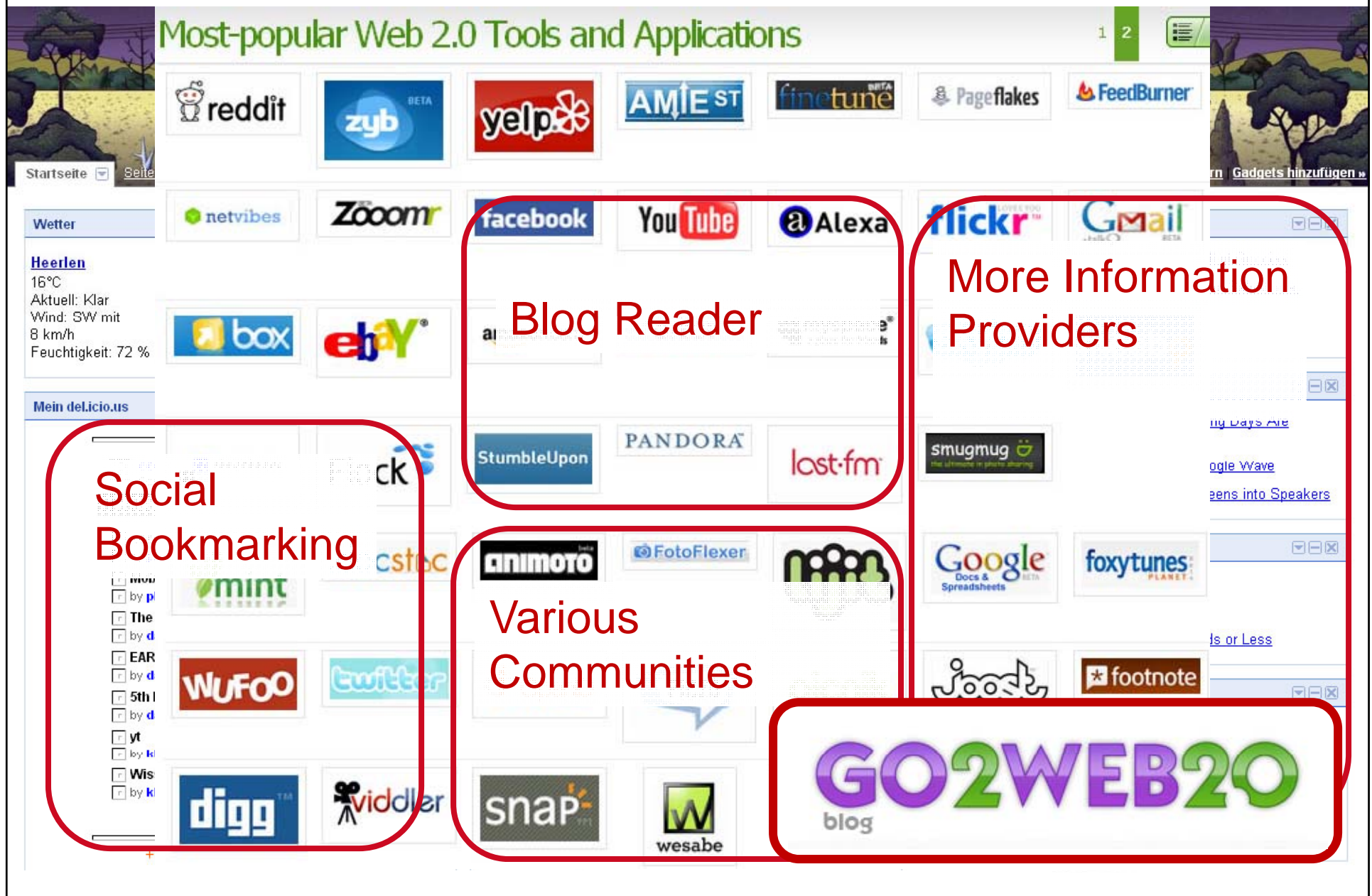
# Decision Support for Learners in Mash-Up Personal Learning Environments

Dr. Hendrik Drachsler

Centre for Learning Sciences and Technologies  
[celstec.org](http://celstec.org)



# Personal Environments

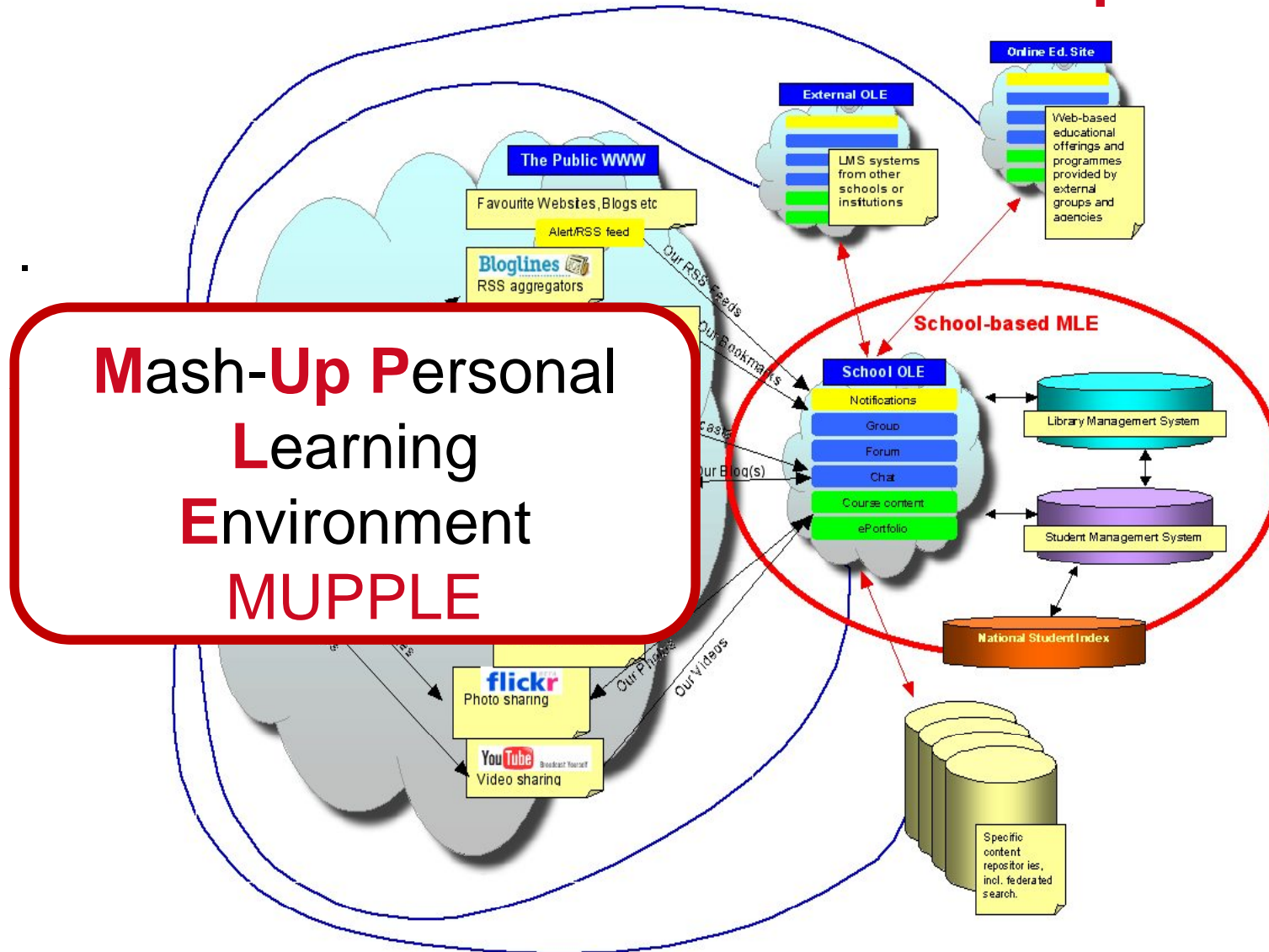


# Personal Learning Environments

<http://pcm.tencompetence.org>

Gastvortrag im Seminar zu 'Personal Learning Environments, U  
Fakultät für Erziehungswissenschaft, Psychologie und Bewegung  
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# PLEs are Mash-Ups



[http://blog.core-ed.net/derek/2006/11/more\\_on\\_mles\\_and\\_ples.html](http://blog.core-ed.net/derek/2006/11/more_on_mles_and_ples.html)

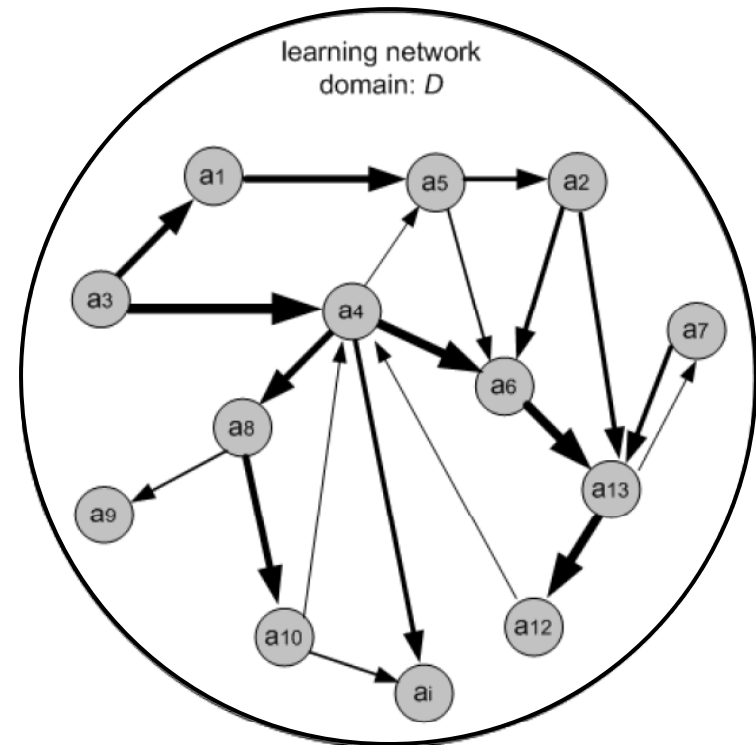


# MUPPLEs follow the Learning Networks concept

The learner is in centre stage, not the organization.

Learners can publish, share, rate, tag and adjust learning content and customize and construct their own PLEs.

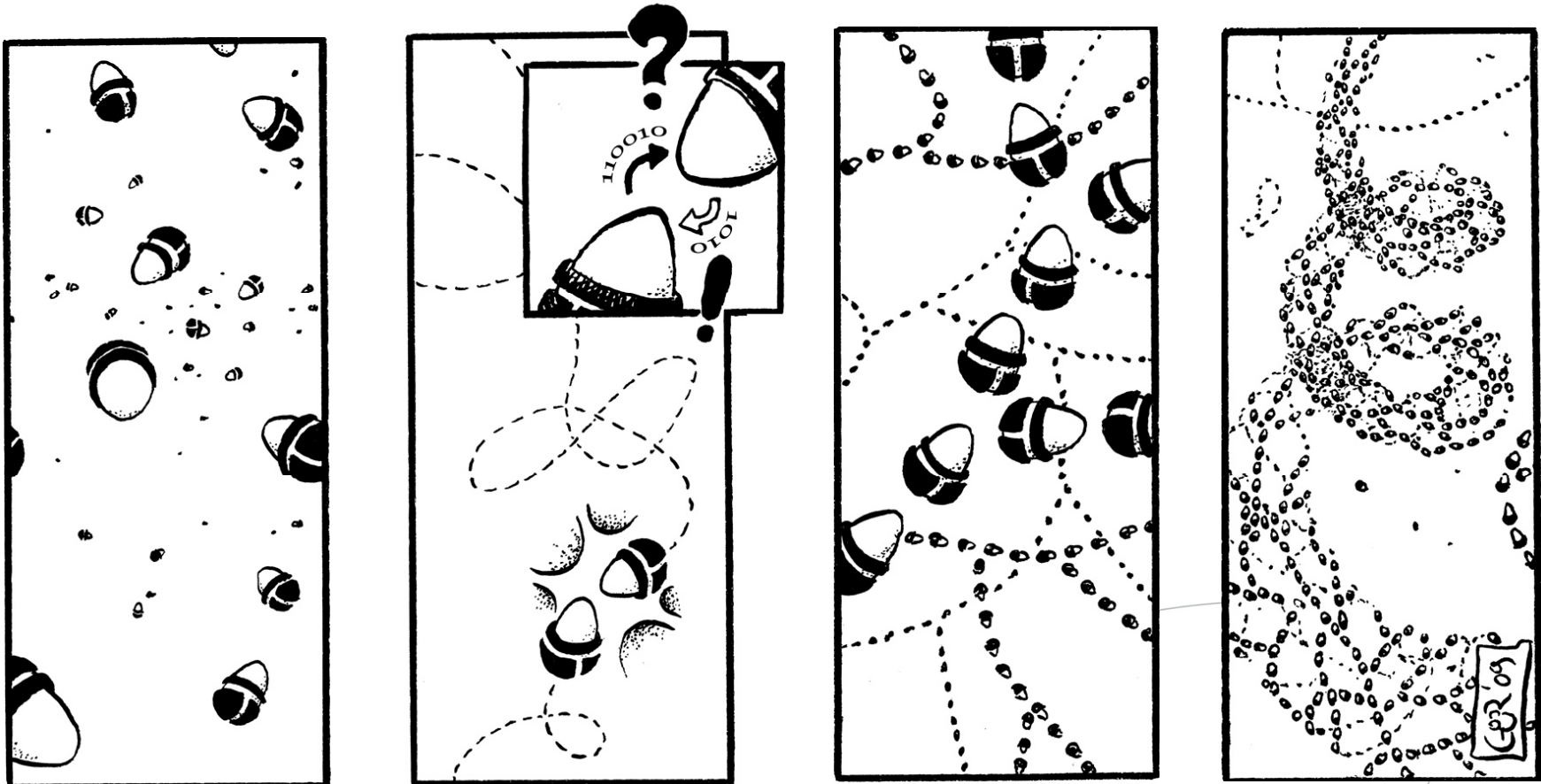
Open Corpus that **emerges** form the bottom upwards



(Koper & Sloep, 2002)



# Informal learning = emergence



# Selection problem because ...

...of the amount of data that is emerging in MUPPLEs.

...learners can be overwhelmed by the plethora of information.



# Can we create a Recommender System for MUPPLEs?



*Re Mashed*  
Recommendations for Mash-ups







# What is ReMashed?

A Mash-up environment that allows you to **personalize emerging information** of online communities with a recommender system.

You tell what kind of Web 2.0 services you use and then you are able to define which contributions of other members you like and do not like.





# Goals for ReMashed

## 1. End-User level

Providing a recommender system for Web 2.0 sources of learners in MUPPLEs.

## 2. Researcher level

1. Offering researchers a system for the evaluation of recommendation algorithms for learners in MUPPLEs.
2. Creating user-generated-content data sets for recommender systems in MUPPLEs.





# How does it work?

ReMashed uses *collaborative filtering* to generate recommendations.

It works by matching together users with **similar tastes** (neighbours) on different Web 2.0 resources (delicious, Flickr, blog feeds, Slideshare, Twitter, and YouTube).






# Cold-Start = Tag-based recommendation






# Version 1.0

**ReMashed**  
Recommendations for Mash-ups


Signed in as [hendrik.drachsler@ou.nl](#) | [Home](#) | [Change settings](#) | [Sign out](#)


**DELICIOUS**  
posted by [ingmaareentest@test.nl](#) on May 26, 2009 2:11:25 PM  
**Get More Twitter Followers! - FeaturedUsers.com**  
Costs, but might be worth considering in the future if things really take off with Twitter  
[twitter](#) [tool](#) [network](#)  
☆☆☆☆☆  
posted by [test5@test.be](#) on May 26, 2009 2:10:20 PM  
**FIRE SAFETY TRAINING AT WORK & AT HOME**  
[Fire](#) [safety](#)  
☆☆☆☆☆  
posted by [teletubbie@bnn.nl](#) on May 26, 2009 11:14:23 AM  
**Ask SM: CSS Quick-Question Edition | CSS | Smashing Magazine**  
[css](#) [Tips](#) [webdevelopment](#) [tutorials](#)  
☆☆☆☆☆  
posted by [nogmaareentest@test.nl](#) on May 26, 2009 11:11:30 AM  
**The Science Creative Quarterly » ON KINGDOMS AND THE GALAPAGOS ISLANDS: A TREATISE ON DARWIN'S CONTRIBUTIONS TO MODERN ECOLOGY AND EVOLUTION IN CALIFORNIA**  
previous items

**BLOG**  
posted by [test2@test.com](#) on May 22, 2009 2:10:46 AM  
**Digital Campus #42 - The Real World**  
This week's podcast looks at the fake, the real, the copies, and the bizarre: fake journals from Elsevier, the MPAA telling teachers to film their TVs, the University of Michigan asking for real uses for its copies of Google's book...  
☆☆☆☆☆  
posted by [test2@test.com](#) on May 15, 2009 4:21:51 AM  
**Zotero 2.0 Is Here!**  
After an extensive development and testing period and the addition of even more features to make academic research easier, more collaborative, and ready for the future, Zotero 2.0 went public tonight. I'll be blogging extensively about...  
☆☆☆☆☆  
posted by [test2@test.com](#) on May 13, 2009 2:01:37 AM  
**Idealism and Pragmatism in the Free Culture Movement**  
[A review of Gary Hall's Digitize This Book! The Politics of New Media, or Why We Need Open Access Now (University of Minnesota Press, 2009). Appeared in the May/June 2009 issue of Museum.] Beginning in  
previous items

**BEST RATED ITEMS OF THE WEEK**  
**BLOG**  
posted by [test@test.com](#) on Mar 6, 2009 10:12:39 AM  
**ReMashed evaluation week 3**  
This time we decided to offer a qualitative evaluation of the ReMashed system. Therefore, we ask the contributor of the week Dr. Wolfgang Greller (best rated item in cat.: bookmark, picture and blog posting) for a short interview regarding his...  
ReMashed interview greller recommender experiment emergence  
**SLIDESHARE**  
posted by [teletubbie@bnn.nl](#) on May 12, 2009 1:39:05 PM  
**Innovation**  
**Innovation 101** What is Innovation, Why is it important and lots more covered in this 101 on Innovation  
[innovation](#) [ideas](#) [property](#) [sciencetechnology](#) [commercialize](#)  
**YOUTUBE**  
posted by [hendrik.drachsler@ou.nl](#) on May 12, 2009

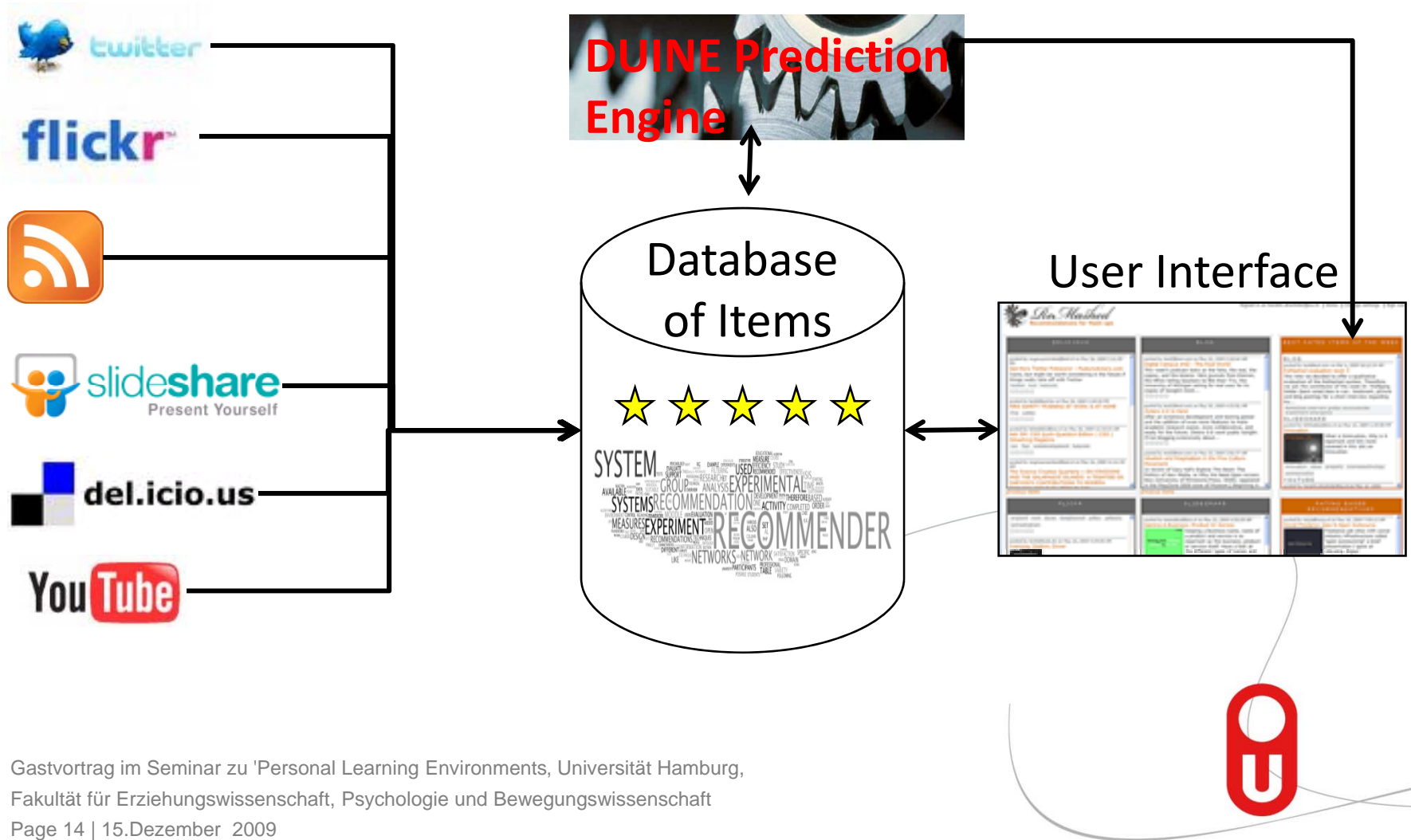
**FLICKR**  
[england](#) [kent](#) [dover](#) [templewell](#) [jelltex](#) [jelltecks](#) [ianhaddingham](#)  
☆☆☆☆☆  
posted by [test6@test6.de](#) on May 26, 2009 9:29:05 AM  
**Kearsney Station, Dover**

**SLIDESHARE**  
posted by [teletubbie@bnn.nl](#) on May 22, 2009 6:58:09 AM  
**Naming A Business, Product Or Service**  
**Naming your business, product or service.** Keeping a Business name, name of a product and service is as important as the business, product or service itself. Have a look at the different types of names and

**RATING BASED RECOMMENDATIONS**  
posted by [tanja@tanja.nl](#) on May 16, 2009 7:00:13 AM  
**Social Freelance Jobs & Open Outsource**  
**Open Outsourcing** Freelance job sites with social industry infrastructure called "open outsourcing" a brief presentation I gave at Jobcamp. Enjoy!

Gastvortrag im Seminar zu 'Personal Learning Environments, Universität Hamburg,  
Fakultät für Erziehungswissenschaft, Psychologie und Bewegungswissenschaft  
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# Version 1.0



# User Profile

Delicious username:   
Flickr username:   
Blog Rss feed of blog:   
Slideshare username:   
Youtube username:   
Twitter username:

It is mandatory to specify at least one Web 2.0 service.

If you specify more than one Web 2.0 service we can predict better recommendations for you.

Interest A:   
Knowledge Level A:

Please specify three main interests and your knowledge level in the particular interest.

0 = Beginner 5 = Expert

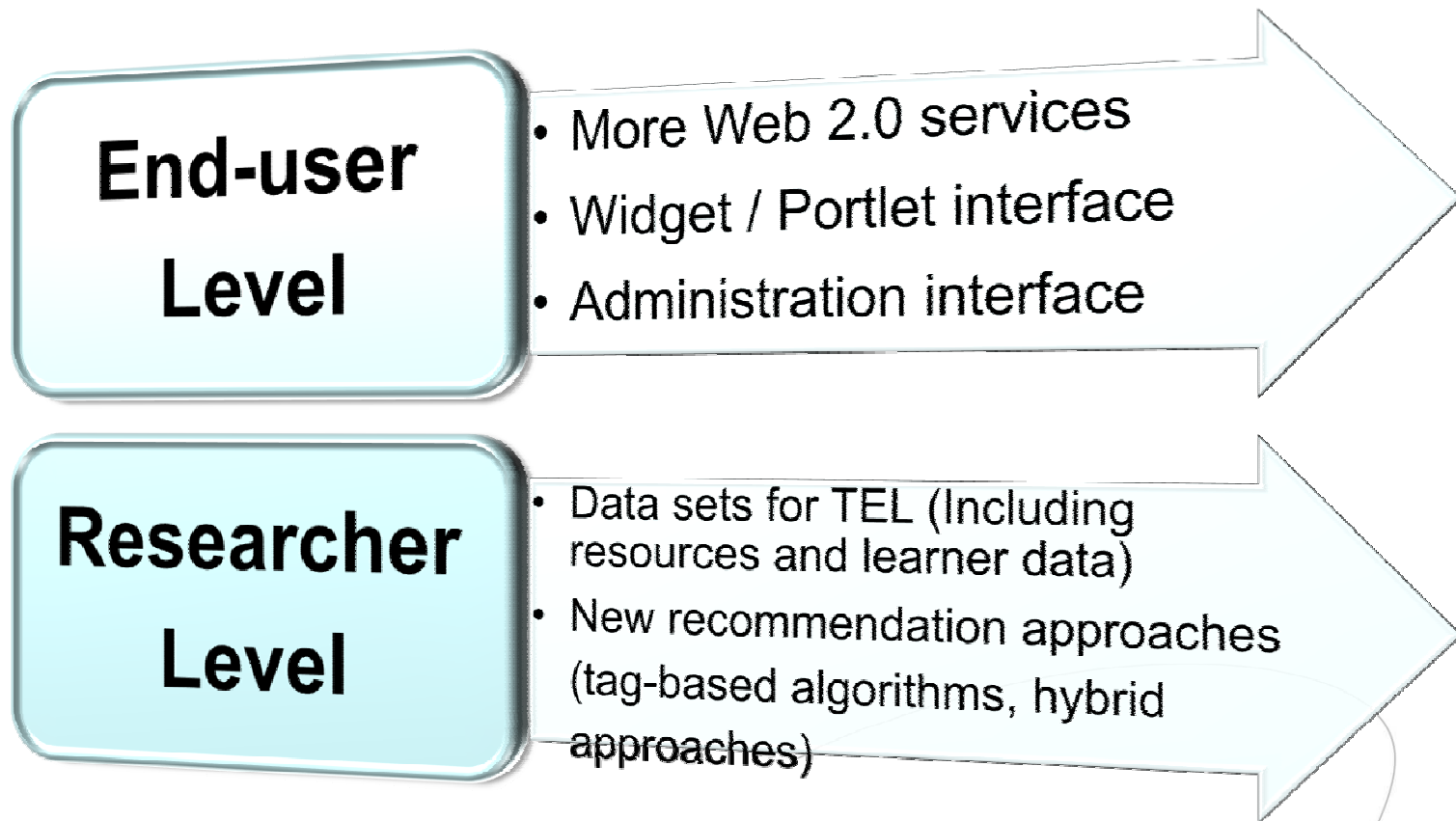
Interest B:   
Knowledge Level B:

*How to match  
context of learners?*

Interest C:   
Knowledge Level C:



# Future R&D





Please sign up at:

**<http://remashed.ou.nl>**

**<http://remashed.ou.nl>**



# Many thanks for your interest!

This slide will be available here:

<http://www.slideshare.com/Drachsler>

Email: [hendrik.drachsler@ou.nl](mailto:hendrik.drachsler@ou.nl)

Skype: [celstec-hendrik.drachsler](https://www.skype.com/en/contacts/celstec-hendrik.drachsler)

Blogging at: <http://elgg.ou.nl/hdr/weblog>

Twittering at: <http://twitter.com/HDrachsler>

